

FIG. 1

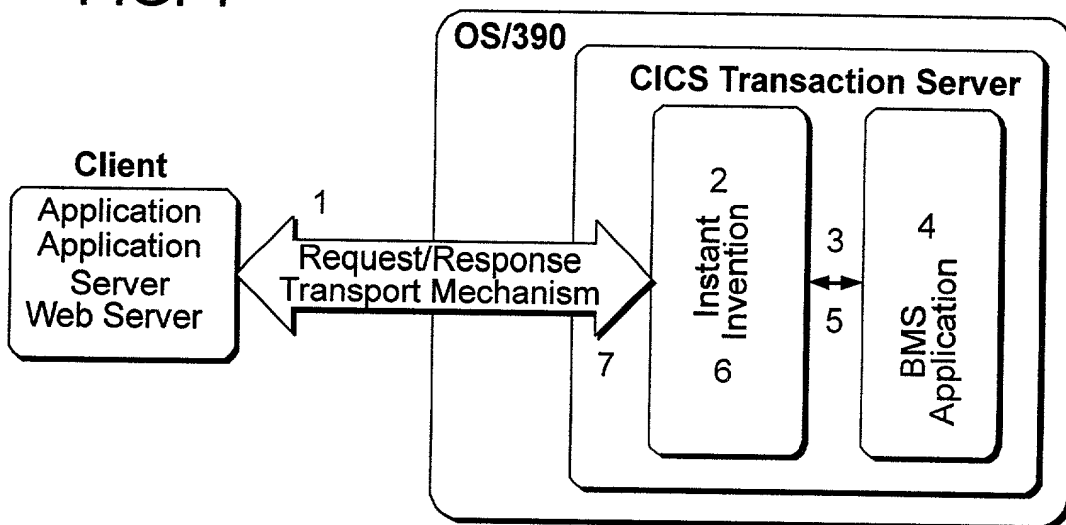


FIG. 2

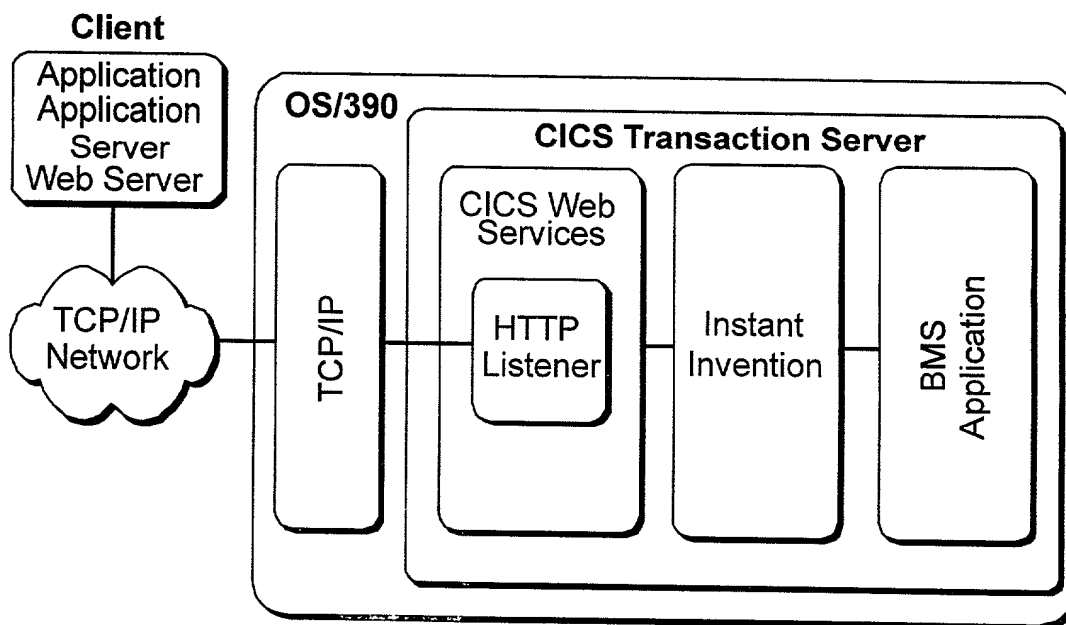


FIG. 3

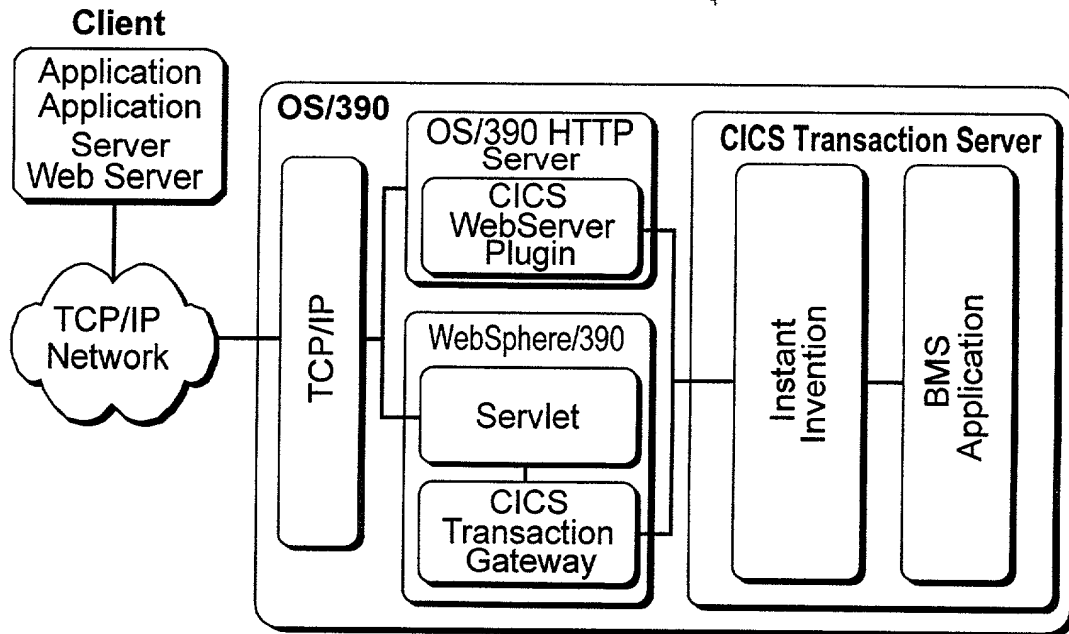


FIG. 4

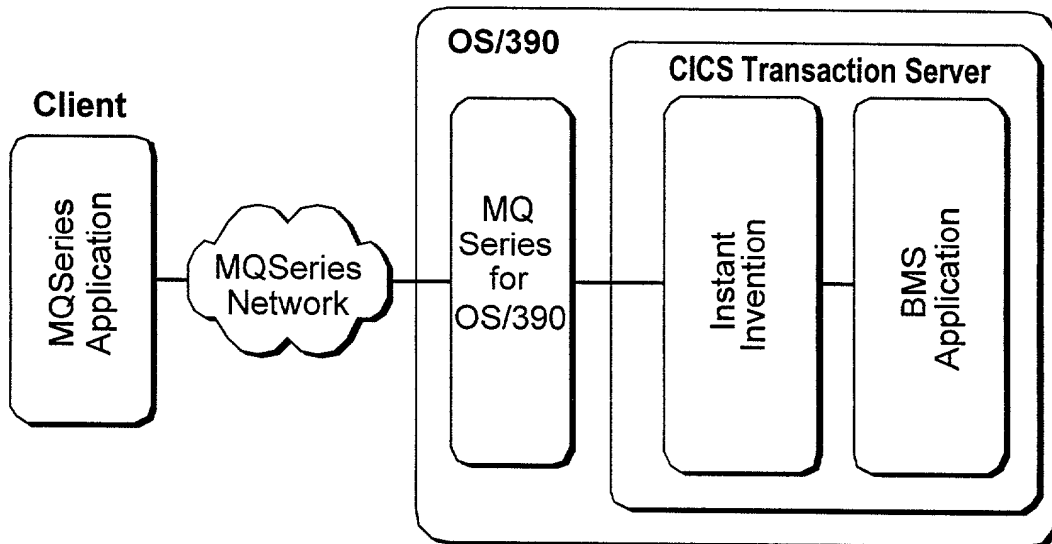


FIG. 5

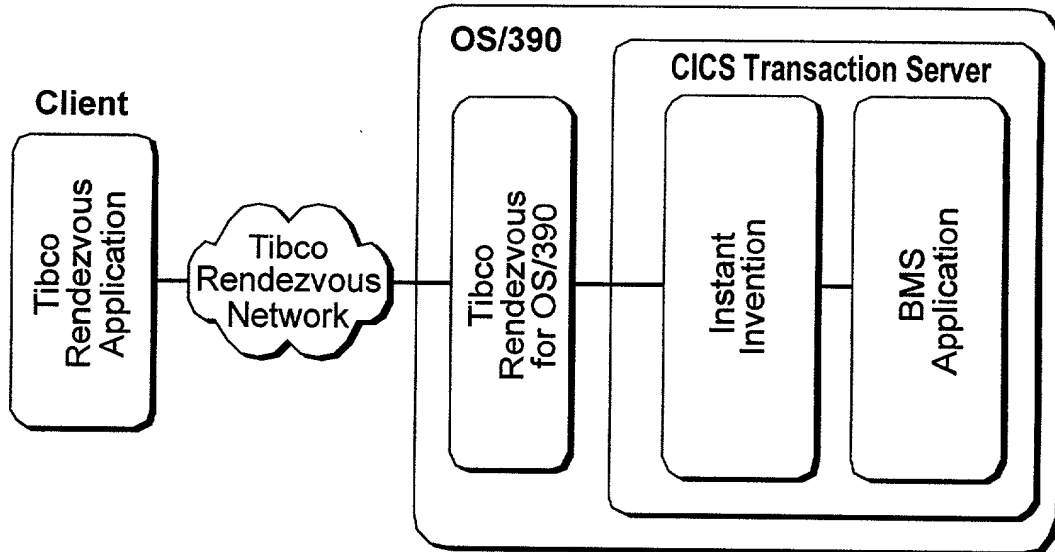


FIG. 6

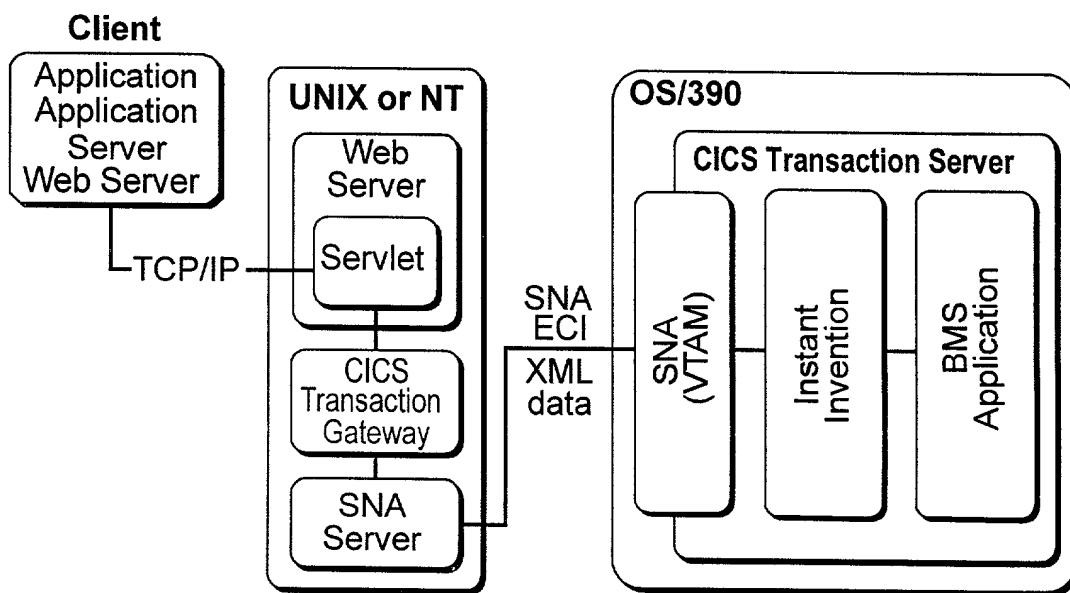


FIG. 7

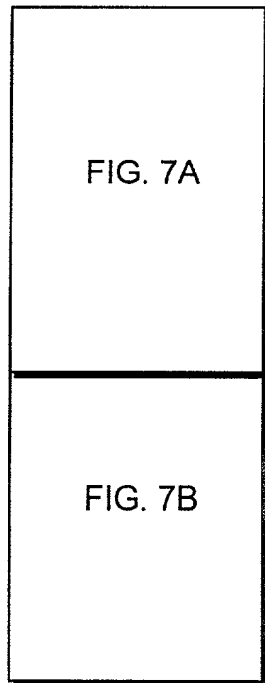


FIG. 8

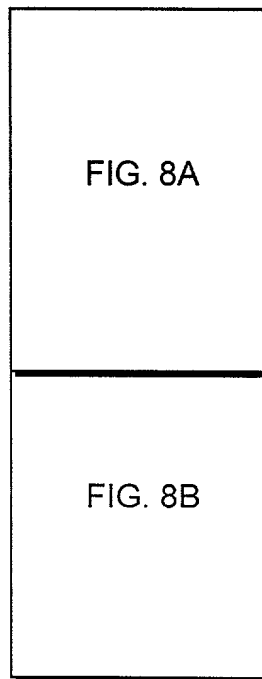


FIG. 7B

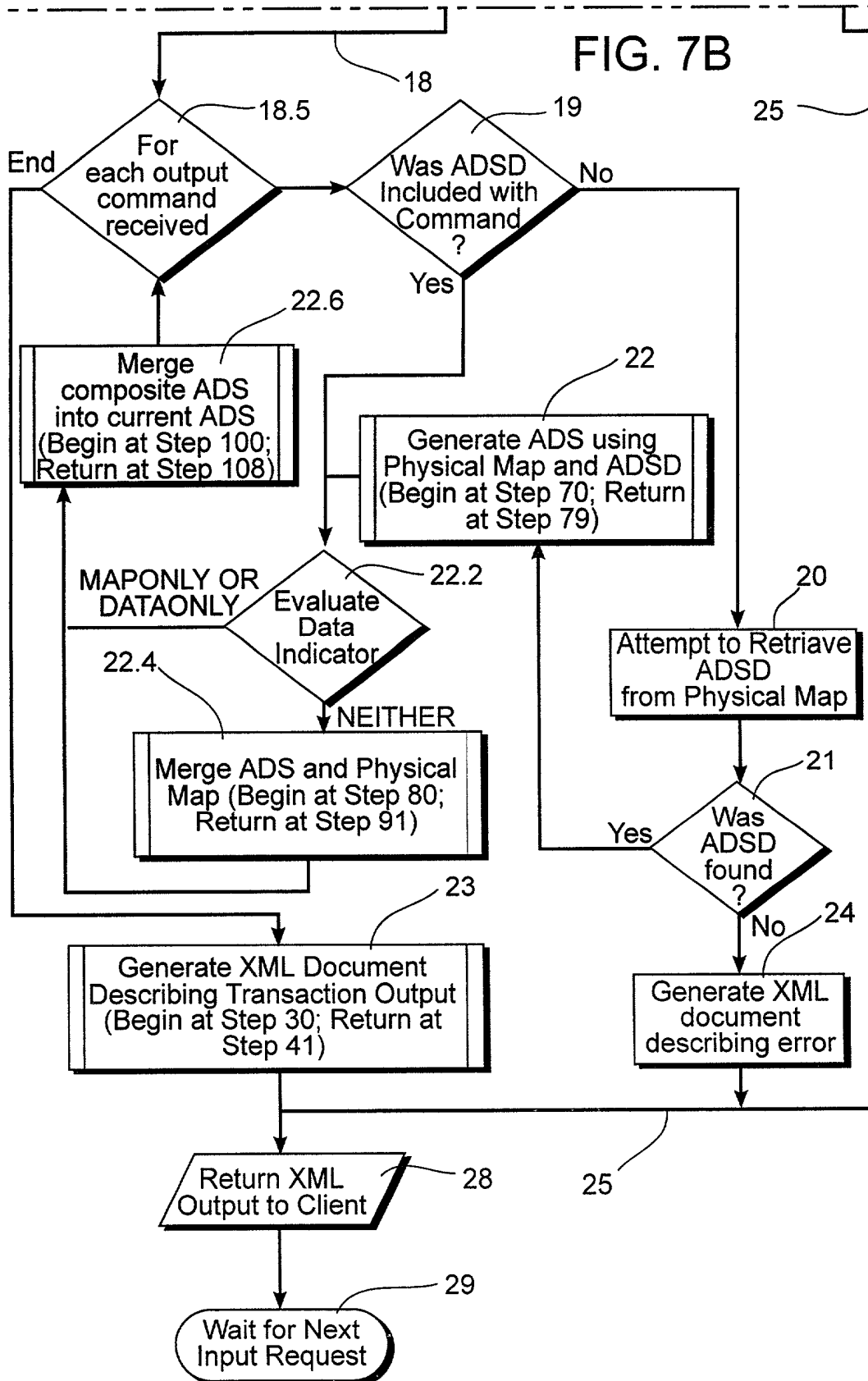


FIG. 8A

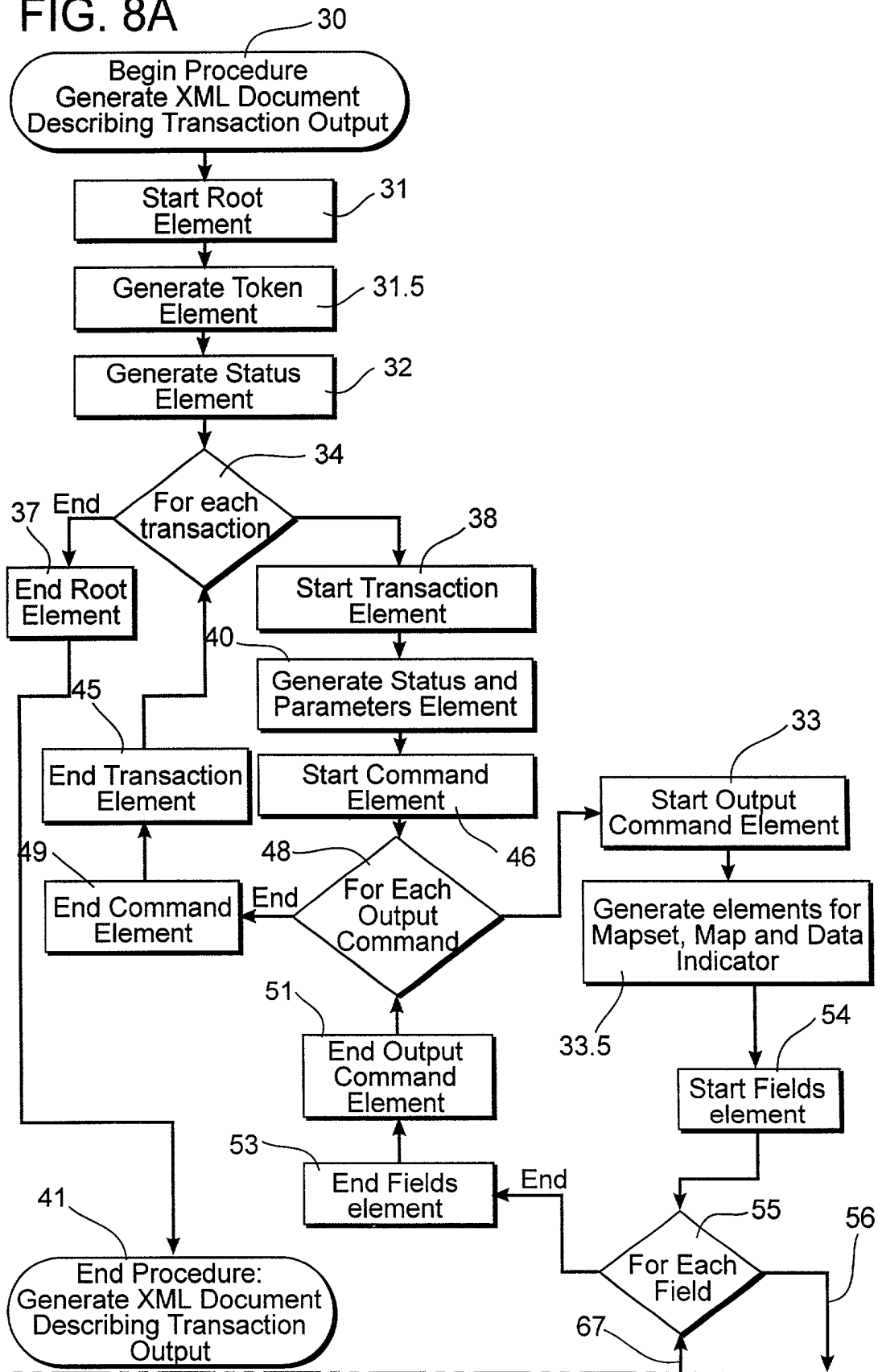


FIG. 8B

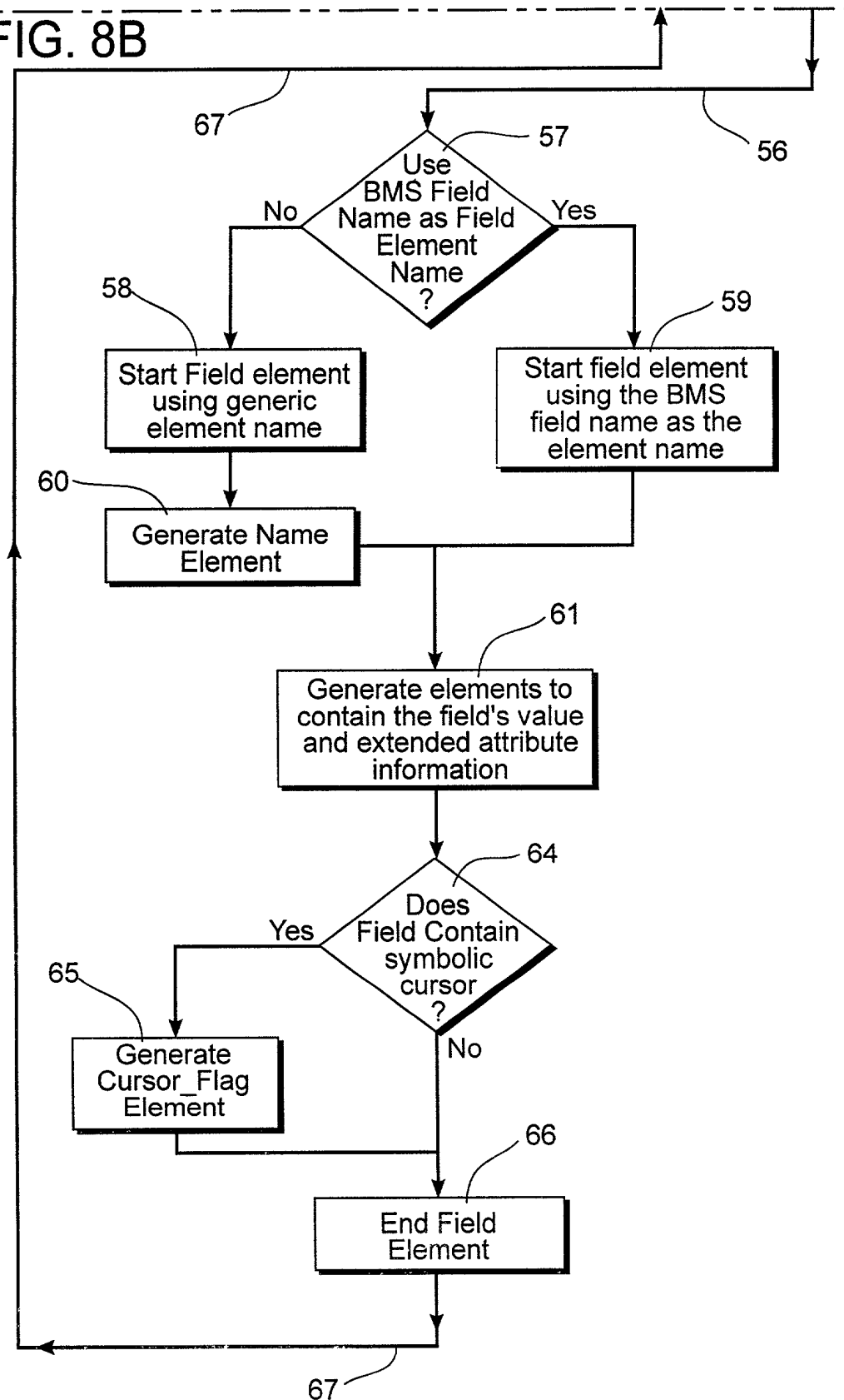


FIG. 9

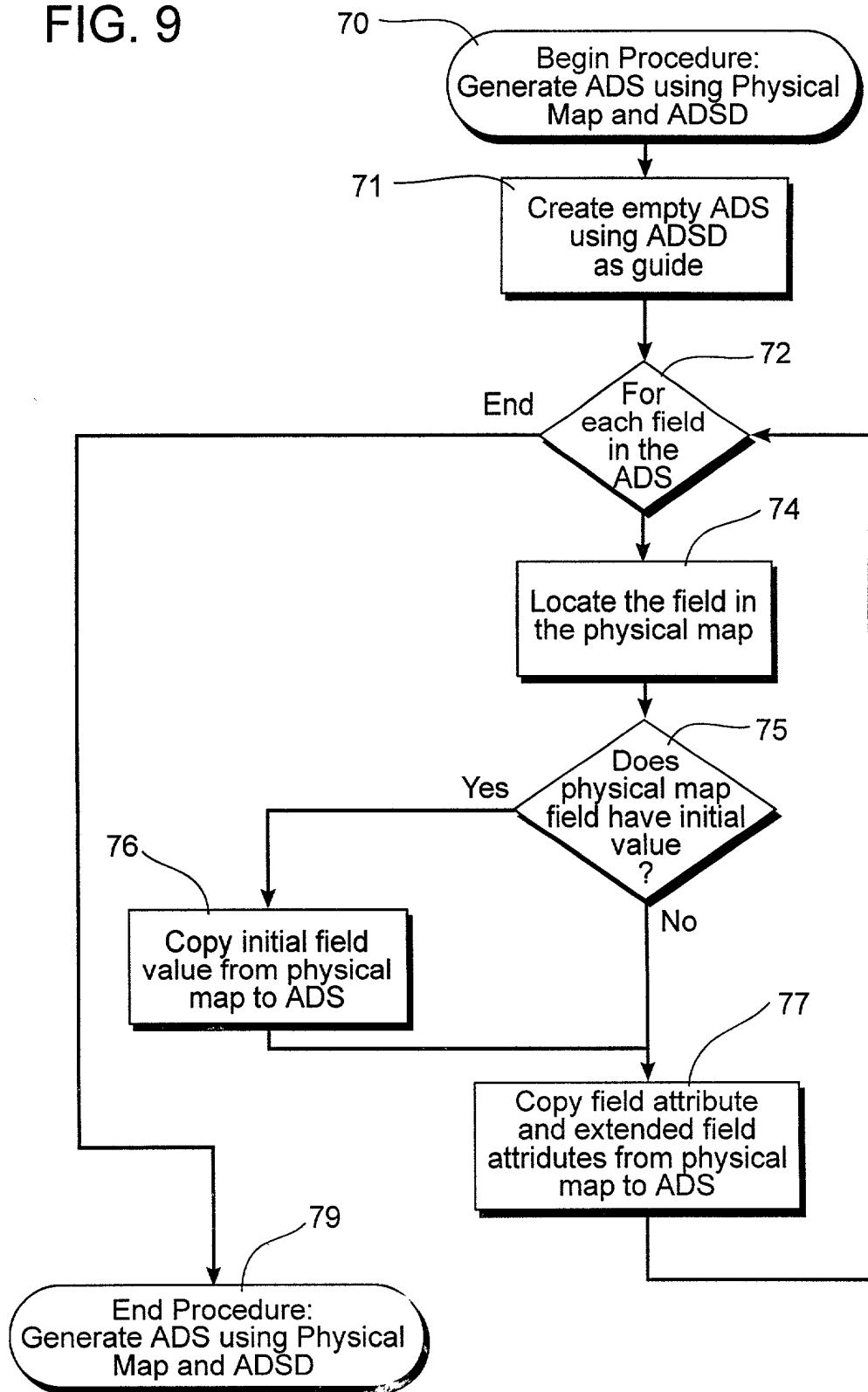


FIG. 10

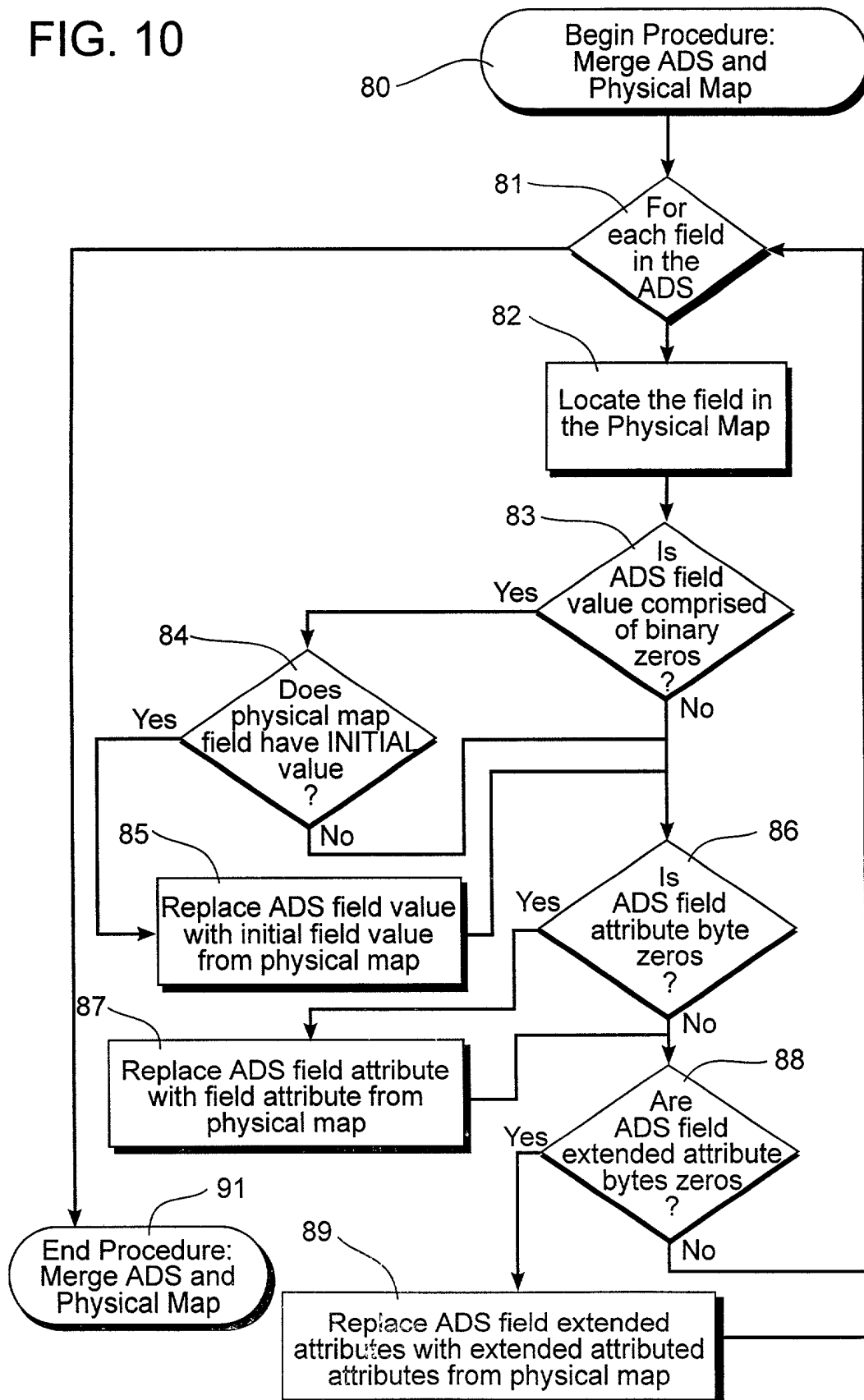


FIG. 11

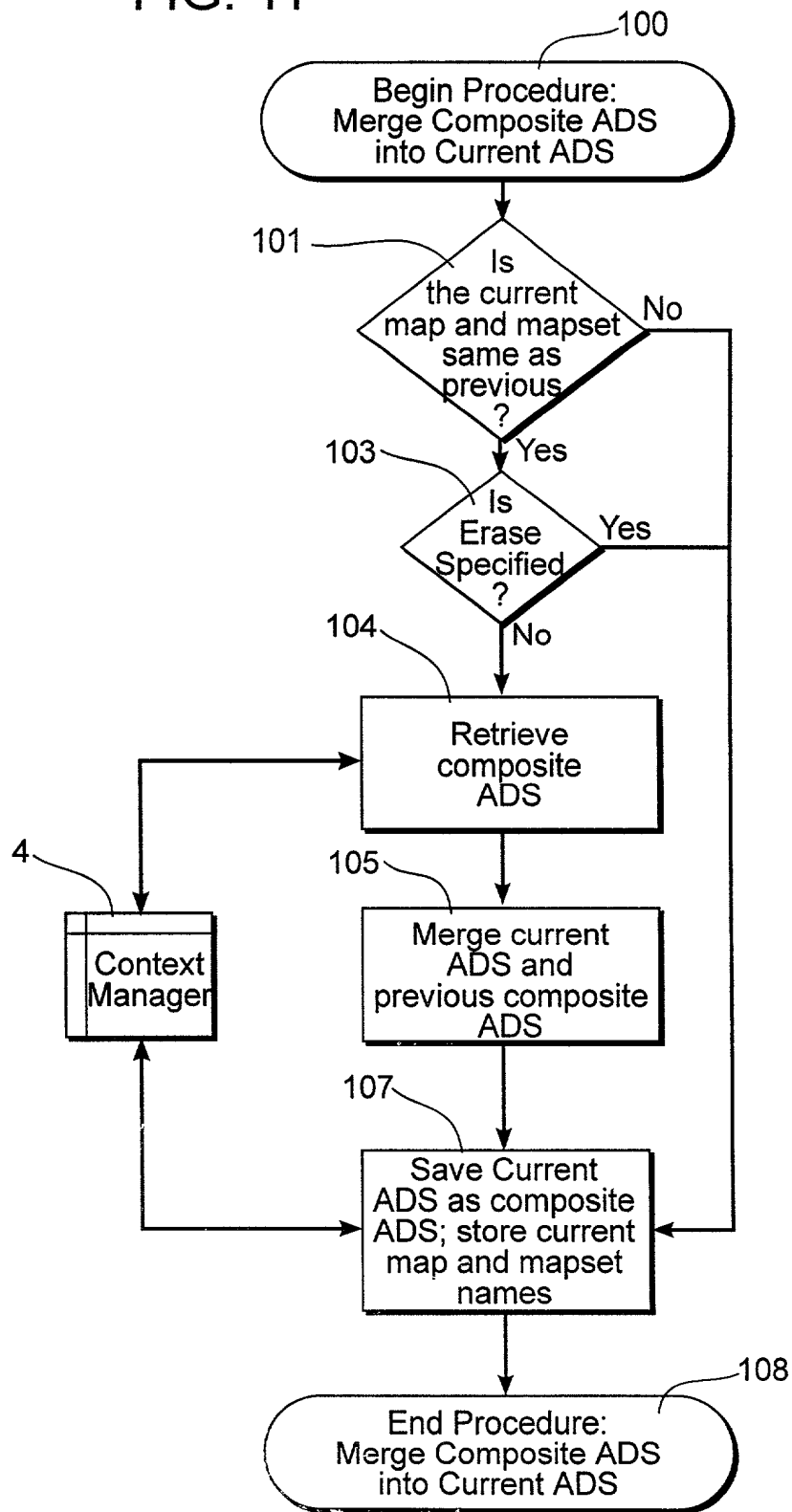


FIG. 12

```
trad
```

Terminal Input 1 -- Specify Transaction Name

FIG. 13

```
Share Trading Demonstration          TRADER.T002
Share Trading Manager: Company Selection

      1. Casey_Import_Export
      2. Glass_and_Luget_Plc
      3. Headworth_Electrical
      4. IBM

Please select a company (1,2,3 or 4) :

-----
PF3=Exit                                PF12=Exit
```

Terminal Output 1 -- Company Selection Screen

FIG. 14

```
Share Trading Demonstration    TRADER.T002
Share Trading Manager: Company Selection

      1. Casey_Import_Export
      2. Glass_and_Luget_Plc
      3. Headworth_Electrical
      4. IBM

Please select a company (1,2,3 or 4) : 1

-----
PF3=Exit                                PF12=Exit
```

Terminal Input 2 -- Select Company

FIG. 15

```
Share Trading Demonstration    TRADER.T003

Share Trading Manager: Options

      1. New Real-Time Quote
      2. Buy Shares
      3. Sell Shares

Please select a company (1,2 or 3):

-----
PF3=Return                                PF12=Exit
```

Terminal Output 2 -- Option Selection Screen

FIG. 16

```
Share Trading Demonstration      TRADER.T003

Share Trading Manager: Options

    1. New Real-Time Quote
    2. Buy Shares
    3. Sell Shares

Please select a company (1,2 or 3): 1

-----
PF3=Return                      PF12=Exit
```

Terminal Input 3 -- Select Company

FIG. 17

```
Share Trading Demonstration      TRADER.T004
Share Trading Manager: Real-Time Quote
User Name:      RUSS
Company Name:   Casey_Import_Export

Share Values:           Commission Cost:
NOW:      00079.00      for Selling:      007
1 week ago: 00059.00    for Buying:      010
6 days ago: 00063.00
5 days ago: 00065.00
4 days ago: 00070.00
3 days ago: 00072.00
2 days ago: 00078.00    Number of Shares Held: 5693
1 day ago:  00077.00    Value of Shares Held: 000449747.00

Request Completed OK

-----
PF3=Return                      PF12=Exit
```

Terminal Output 3 -- Stock Quote Screen

FIG. 18



Terminal Output 4 -- Session Termination Screen

FIG. 19

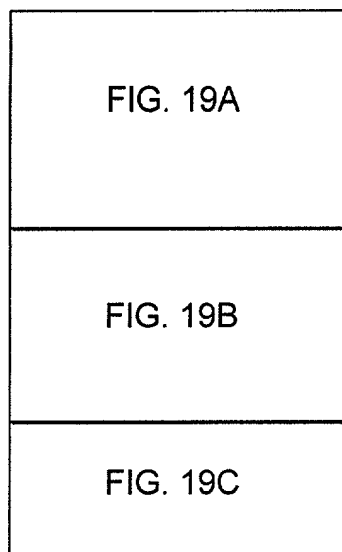


FIG. 20

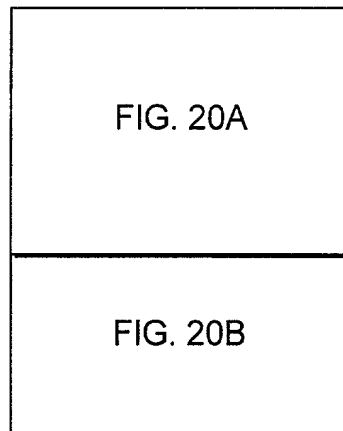


FIG. 21

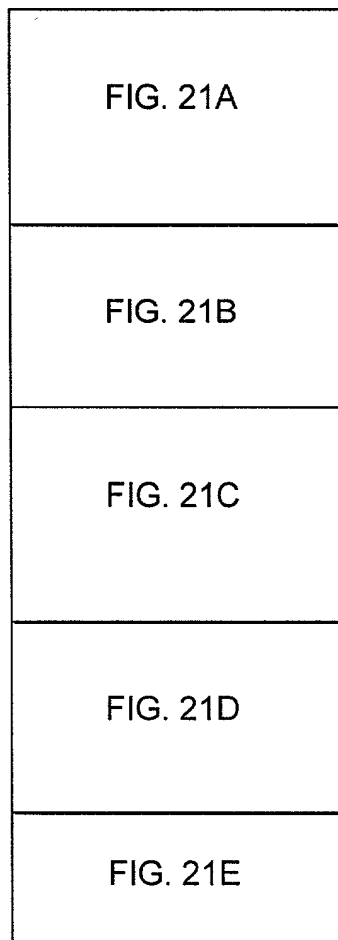


FIG. 19A XML Response 1 -- Company Selection Document

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token>ca445fb5</token>
  <timestamp>20020113025852</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction tranid="TRAD" facility="}AAB" next_tranid="TRAD"
  next_tranid_src="normal">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code>    </abend_code>
    </status>
    <parameters>
      <tranid>TRAD</tranid>
      <entry>TRAD</entry>
      <userid>DSI1    </userid>
    </parameters>
    <command src="TRADERPL">
      <send_map erase="y" erase_unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
        <mapset>TRADBMS </mapset>
        <map>T002    </map>
        <data indicator>map_and_data</data_indicator>
        <fields count="6">
          <field name="COMPL" index="0">
            <name len="5">COMPL</name>
          </field>
        </fields>
      </send_map>
    </command>
  </transaction>
</request>
```

FIG. 19B

XML Response 1 -- Company Selection Document

```

<value maxlen="20" len="19">Casey Import Export</value>
<attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
<field name="COMP2" index="0">
  <name len="5">COMP2</name>
  <value maxlen="20" len="19">Glass and Luget Plc</value>
  <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
<field name="COMP3" index="0">
  <name len="5">COMP3</name>
  <value maxlen="20" len="20">Headworth Electrical</value>
  <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
<field name="COMP4" index="0">
  <name len="5">COMP4</name>
  <value maxlen="20" len="3">IBM</value>
  <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
<field name="OPTION" index="0">
  <name len="6">OPTION</name>
  <value maxlen="1" len="0"></value>
  <attr byte="50" justify="l" disp="y" prot="n" num="y" int="n"
mdt="n"/>
</field>
<field name="MESS2" index="0">
  <name len="5">MESS2</name>

```

FIG. 19C XML Response 1 -- Company Selection Document

```

<value maxlen="79" len="0"></value>
<attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
mdt="n"/>
</field>
</fields>
<cursor type="none"/>
</send map>
</command>
</transaction>
</request>

```

FIG. 20A XML Response 2 -- Option Selection Document

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token>ca445fb5</token>
  <timestamp>20020113025955</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction tranid="TRAD" facility="}AAB" next_tranid="TRAD"
  next_tranid_src="normal">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code>    </abend_code>
    </status>
    <parameters>
      <tranid>TRAD</tranid>
      <entry>TRAD</entry>
      <userid>DSI1    </userid>
    </parameters>
    <command src="TRADERPL">
      <send_map erase="y" erase_unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
        <mapset>TRADBMS </mapset>
        <map>T003    </map>
      </command>
    </parameters>
  </transaction>
</request>
```

FIG. 20B

XML Response 2 -- Option Selection Document

```

<data_indicator>map_and_data</data_indicator>
<fields count="2">
  <field name="OPT2" index="0">
    <name len="4">OPT2</name>
    <value maxlen="1" len="0"></value>
    <attr byte="50" justify="1" disp="y" prot="n" num="y" int="n"
      mdt="n"/>
  </field>
  <field name="MESS3" index="0">
    <name len="5">MESS3</name>
    <value maxlen="79" len="0"></value>
    <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
      mdt="n"/>
  </field>
</fields>
<cursor type="none"/>
</send_map>
</command>
</transaction>
</request>

```

XML Response 3 -- Stock Quote Document

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token>ca445fb5</token>
  <timestamp>20020113030019</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction tranid="TRAD" facility="}AAB" next_tranid="TRAD"
  next_tranid_src="normal">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code>    </abend_code>
    </status>
    <parameters>
      <tranid>TRAD</tranid>
      <entry>TRAD</entry>
      <userid>DSII    </userid>
    </parameters>
    <command src="TRADERPL">
      <send_map erase="y" erase_unp="n" unlock_kb="y" alarm="n" reset_mdt="n" >
        <mapset>TRADBMS </mapset>
      <map>T004    </map>
    </command>
  </transaction>
</request>
```

FIG. 21B

XML Response 3 -- Stock Quote Document

```

<data_indicator>map_and_data</data_indicator>
<fields count="15">
  <field name="USER41" index="0">
    <name len="6">USER41</name>
    <value maxlen="20" len="4">RUSS</value>
    <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
      mdt="n"/>
  </field>
  <field name="COMP41" index="0">
    <name len="6">COMP41</name>
    <value maxlen="20" len="19">Casey_Import_Export</value>
    <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
      mdt="n"/>
  </field>
  <field name="SHRNOW" index="0">
    <name len="6">SHRNOW</name>
    <value maxlen="8" len="8">00079.00</value>
    <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
      mdt="n"/>
  </field>
  <field name="SELL" index="0">
    <name len="4">SELL</name>
    <value maxlen="12" len="3">007</value>
    <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
      mdt="n"/>
  </field>

```

FIG. 21C

XML Response 3 -- Stock Quote Document

```

<field name="SHARE7" index="0">
  <name len="6">SHARE7</name>
  <value maxlen="8" len="8">00059.00</value>
  <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
    mdt="n"/>
</field>
<field name="SHARE6" index="0">
  <name len="6">SHARE6</name>
  <value maxlen="8" len="8">00063.00</value>
  <attr byte="60" justify="1" disp="y" prot="y" num="n" int="n"
    mdt="n"/>
</field>
<field name="BUY" index="0">
  <name len="3">BUY</name>
  <value maxlen="12" len="3">010</value>
  <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
    mdt="n"/>
</field>
<field name="SHARE5" index="0">
  <name len="6">SHARE5</name>
  <value maxlen="8" len="8">00065.00</value>
  <attr byte="f0" justify="1" disp="y" prot="y" num="y" int="n"
    mdt="n"/>
</field>
<field name="SHARE4" index="0">
  <name len="6">SHARE4</name>
  <value maxlen="8" len="8">00070.00</value>

```


FIG. 21D

XML Response 3 -- Stock Quote Document

```
<attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
mdt="n"/>
</field>
<field name="SHARE3" index="0">
  <name len="6">SHARE3</name>
  <value maxlen="8" len="8">00072.00</value>
  <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
mdt="n"/>
</field>
<field name="SHARE2" index="0">
  <name len="6">SHARE2</name>
  <value maxlen="8" len="8">00078.00</value>
  <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
mdt="n"/>
</field>
<field name="HELD" index="0">
  <name len="4">HELD</name>
  <value maxlen="12" len="4">5693</value>
  <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
mdt="n"/>
</field>
<field name="SHARE1" index="0">
  <name len="6">SHARE1</name>
  <value maxlen="8" len="8">00077.00</value>
  <attr byte="f0" justify="l" disp="y" prot="y" num="y" int="n"
mdt="n"/>
```

FIG. 21E XML Response 3 -- Stock Quote Document

```
</field>
<field name="VALUE" index="0">
  <name len="5">VALUE</name>
  <value maxlen="12" len="12">000449747.00</value>
  <attr byte="f0" justify="r" disp="y" num="y" prot="y" int="n"
    mdt="n"/>
</field>
<field name="MESS4" index="0">
  <name len="5">MESS4</name>
  <value maxlen="79" len="20">Request Completed OK</value>
  <attr byte="60" justify="l" disp="y" prot="y" num="n" int="n"
    mdt="n"/>
</field>
</fields>
<cursor type="none"/>
</send_map>
</command>
</transaction>
</request>
```

FIG. 22 XML Output 4 -- Transaction Termination Document

```

<?xml version="1.0" encoding="ISO-8859-1" standalone="yes"?>
<request>
  <token></token>
  <timestamp>20020113030037</timestamp>
  <status>
    <response>0</response>
    <desc>ok</desc>
  </status>
  <transaction tranid="TRAD" facility="}AAB" next_tranid=" " next_tranid_src=" ">
    <status>
      <cics_resp>0</cics_resp>
      <cics_resp2>0</cics_resp2>
      <cics_desc>NORMAL</cics_desc>
      <task_end>endtask</task_end>
      <abend_code> </abend_code>
    </status>
    <parameters>
      <tranid>TRAD</tranid>
      <entry>TRAD</entry>
      <userid>DSI1 </userid>
      <aid>PF12</aid>
    </parameters>
    <command src="TRADERPL">
      <send erase="n">
        <data len="20">Trader: Session Over</data>
      </send>
    </command>
  </transaction>
</request>

```